



Dimmer Controller



CA-DC48

User Manual

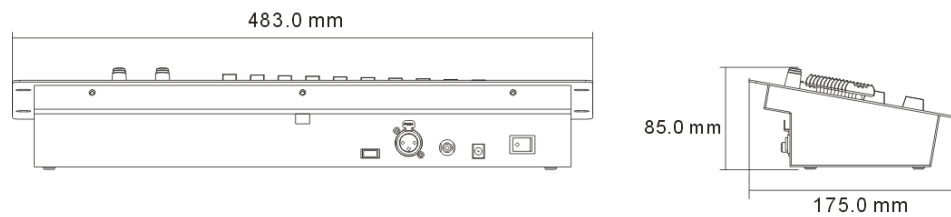
Please read the instructions carefully before us

1. Features:

- A. 48 channels
- B. 12 programmable CHASES
- C. Store up to 1000 STEPS
- D. 12 channel faders to control the channel individually
- E. One master fader
- F. 48 DMX channels, 12 programmable CHASES
- G. Adjustable CHASE speed
- H. Support AUDIO input and the sensitivity adjustable
- I. Blackout
- J. FLASH

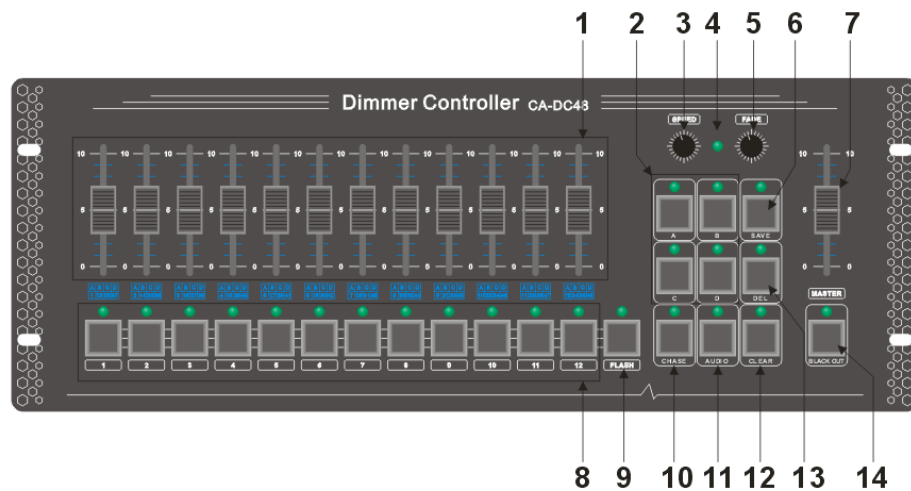
2. Specifications:

- Voltage: DC 9-12V 300 mA Min
- Size: 483 x 175 x 85 mm
- Net Weight: 2.9kg



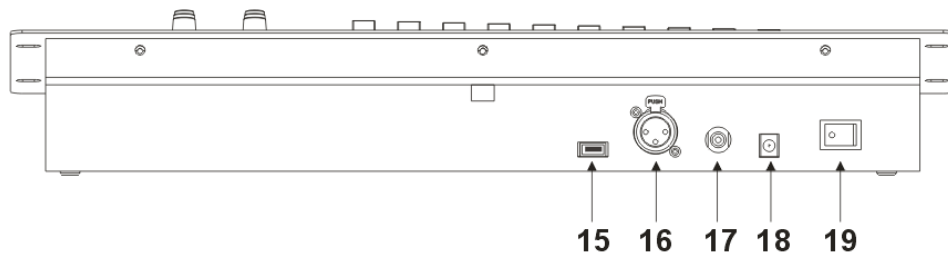
3. Panel

3.1 Front View



- 1 **Fader:** 1-12 faders
- 2 **A/B/C/D:** A/B/C/D page select
- 3 **SPEED knob:** Adjust speed or audio effects sensitivity
- 4 **SPEED and FADE indicator:** Show adjust effect of SPEED and FADE
- 5 **FADE knob:** Adjust fade time
- 6 **SAVE button:** Enter into program mode or save lighting effects
- 7 **MASTER Fader:** Control all channel value
- 8 **1~12 Button:** Select fixtures or store CHASE
- 9 **FLASH Button:** Turn on/off CHASE or CHANNEL
- 10 **CHASE Button:** Program CHASE or run CHASE
- 11 **AUDIO Button:** Enter into AUDIO function
- 12 **CLEAR Function:** Clear channel value or shut off all program
- 13 **DEL Button:** Delete STEP or CHASE
- 14 **BLACK OUT:** The output signal is 0

3.2 Rear View



- 15 Standard USB port
- 16 3PIN DMX 512 signal output
- 17 Audio input port
- 18 Mains input
- 19 Power Switch on/off

4. Operation Guide

4.1 Program CHASE

1. Hold SAVE Button for 3 seconds to enter into program mode, the red LED indicator will flash to indicate you have entered program mode.
2. Hold CHASE button till its LED indicator lights up.
3. Press button 1-12, if 1-12 button flashes it means there is CHASE stored in it.
4. Press A-D to choose the channel which you want to edit (A: 1-12; B: 13-24; C: 24-36; D: 37-48), you can choose more than one channel simultaneously.
5. To make your desired effect by adjust fader
6. Press SAVE button, LED indicator will quickly flash three times that means you have saved one STEP successfully.
7. Repeat the STEPS 2-6 to save more STEPS. You can store up to 1000 STEPS at most.
8. Hold SAVE button for three seconds till its LED indicator go off that means you have exit program mode.

4.2 Adjust CHASE Speed

- 1 When you turn on CHASE, you can adjust CHASE speed and FADE speed

by adjusting SPEED and FADE knob. The LED indicator's brightness will show the value, when it comes to its maximum, it will flash quickly.

4.3 Delete STEP from CHASE

- 1 Hold the SAVE button for three seconds, its LED indicator will flash, that means it has entered into program mode. Then you press the CHASE button, the CHASE LED indicator will light up.
- 2 Choose the CHASE which you want to delete from button 1-12.
- 3 Click the DEL button once, one STEP will be deleted. All LED indicators will quickly flash three times to indicate you have deleted one STEP successfully. If you press the DEL button continuously, the CHASE will keep going being deleted, until all STEPs stored in CHASE have been deleted.

4.4 Delete the whole CHASE

- 1 Hold the SAVE button for three seconds, its LED indicator will flash in red.
- 2 Hold on the DEL button, then you press button 1-12 to choose the CHASE which you want to delete. All LED indicators will quickly flash three times that means you have deleted the CHASE successfully.

4.5 Run CHASE

- 1 Press CHASE button, the LED indicator lights up. To choose the stored CHASE by button 1-12, you can choose more than one CHASE at a time.
- 2 Move the faders to adjust the fixtures brightness of the running CHASE.
- 3 Press CHASE button again, the LED indicator goes out. At this time, the LED indicator of the button 1-12 show the fixture effects of the corresponding channel.

4.6 AUDIO

- 1 Press Audio button, the LED indicator lights up that means you have entered into the audio mode.
- 2 Turn on the CHASE which you want to play, the CHASE will run to the music automatically.
- 3 You can adjust the audio sensitivity by Speed knob, the brightness of the LED indicator show the value, when it comes to its maximum, the LED

indicator will flash.

4.7 FLASH

- 1 When the FLASH LED indicator flashing, while the CHASE LED indicator goes out then you hold button 1-12, you can turn on the corresponding channel but once you release the button, the channel will be turned off again. You can select the page by A/B/C/D (A: 1-12; B13-24; C: 24-36; D: 37-48). When the FLASH LED indicator and the CHASE LED indicator lights up simultaneously, you can turn on the corresponding CHASE by holding the button 1-12, but once you release the button, the CHASE will be turned off again.
 - 2 When FLASH LED indicator lights up but the CHASE LED indicator goes out, then you press button 1-12 to turn on or shut off the corresponding channel. You can select the page by A/B/C/D (A: 1-12; B13-24; C: 24-36; D: 37-48). When the FLASH LED indicator flash but the CHASE LED indicator lights up, you can press button 1-12 to turn on or shut off the corresponding CHASE. You can select the page by A/B/C/D (A: 1-12; B13-24; C: 24-36; D: 37-48).
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- 1 When the LED indicator of Flash lights up, Flash button has the function of turn on/off. When the LED indicator goes out, Flash button has the function of turn on/off the channel.
 - 2 When the LED indicator of the FLASH flash, Flash button has the function of turn on/off; when the CHASE LED indicator lights up, it has the function of turn on/off CHASE; When the CHASE LED indicator goes out, it has the function of turn on/off the channels.

4.8 CLEAR

- 1 Pressing the CLEAR button before you adjust fader; it can clear all the output value on the fader.
- 2 Hold Clear button for three seconds to turn off all outputs.

4.9 CHASE

- 1 The CHASE LED indicator lights up, that means the fader and the button both can turn on/off the CHASE. You can turn on the CHASE directly by pressing button 1-12 or adjust the fader 1-12. When you adjusting the fader to its bottom that the CHASE will be off. You can select the specific CHASE by A/B/C/D page (A: 1-12; B13-24; C: 24-36; D: 37-48).
- 2 When the CHASE LED indicator goes out, the fader 1-12 and the button 1-12 can turn on/off the Channel. You can select the specific Channel by A/B/C/D page (A: 1-12; B13-24; C: 24-36; D: 37-48).

5.0 MASTER

MASTER Fader is the master control of all channels, adjusting it can adjust all the channel value simultaneously. When it's not in the position of its maximum value, it will restrain the other channel to its maximum value.

5.1 BLACK OUT

Press BLACK OUT button, the controller output signal is "0".

5.2 Update by USB Memory

Plug the power to the controller but keep it at the status of power off, then insert the USB memory to the controller. Hold AUDIO, CLEAR, SAVE buttons simultaneously, and turn on the unit at the same time. Wait for three seconds, all LED indicators will quickly flash three times, that means you have updated the controller successfully.

Note: The format of the USB memory for the controller should be FAT16 or FAT32.

5.Factory reset

Power off the unit, and then hold DEL+AUDIO+CHASE buttons synchronously, then power on the unit till all the LED indicator quickly flash three times, that means you have deleted all the setting. Factory reset successfully.

6. Upload program from controller to USB

- 1 Insert the USB memory to the controller
- 2 Hold the buttons SAVE+A synchronously, then the SAVE LED indicator will light up and the A LED indicator will flash.
- 3 Press any of the buttons from button 1-12. (If any of the button 1-12 LED indicator light up, that means there is some program stored in the USB memory before, if you still press it, the current program from the controller will replace the former one. So you should press the button which LED indicator doesn't light up. Then the SAVE+A LED indicator will flash.)
- 4 The indicator of SAVE+A flash that means the controller is uploading their program to USB memory. (All programs in the controller will pack up into one file to store into the USB memory)
- 5 After the uploading has been finished, the controller will reboot automatically.

7. Download program from USB to controller

1. Insert the USB memory with program to the controller
- 2 Hold the buttons SAVE+C synchronously, then the SAVE LED indicator will light up and the C LED indicator will flash.
- 3 Press any of the buttons from button 1-12. (If any of the button 1-12 LED indicators light up, that means there is some program stored in the controller. So you should press the button which LED indicator light up. Then the SAVE+C LED indicator will flash)
- 4 The indicator of SAVE+C flash that means it is downloading their program from USB memory to controller.
- 5 After the downloading has been finished, the controller will reboot automatically.

